# Wireless Internet Radio

## Media Player from HisKids.net

## User Guide | WIR-206

**RECIVA**
INTERNET RADIO TECHNOLOGY

**MP3** ENABLED

Plays
**Windows Media™**
TM

**real**
Enabled

Please take a moment to write down your serial numbers for future reference:

_____

Reciva S/N

_____

S/N

# CUSTOMER CARE INFORMATION

If you have trouble setting up or operating the Wireless Internet Radio / Media Player, please do not return the unit until after consulting the following web page and speaking with a customer service representative to obtain *Return Authorization Instructions*.

Thank you!



http://www.HisKids.net/solutions

- Answers to your FAQs
- Complete Contact Information
- Current Channel Listings
- Downloadable User Guide
- Feedback Forms
- Free Firmware Upgrades **
- News & Information
- Troubleshooting Tips
- And much more!

# CONTENTS

# WELCOME...

## Introducing the Wireless Internet Radio (WIR) / Media Player powered by HisKids.net!

The advanced technology in this device will bless your family by providing access to countless hours of Christian radio & adventure dramas especially for kids -- from virtually any room in your home!

- Before you can use your Internet Radio, you will need a wireless access point (WiFi) connected to your broadband internet, preferably via a router.
- If your wireless network is configured to use Wired Equivalent Privacy (WEP) or WiFi Protected Access (WPA) data encryption then you need to know the WEP or WPA code so you can get the Internet Radio to communicate with the network.

The WIR should work in all locations where the WiFi network is available. You will also need to know the name of your wireless network, i.e. its ESSID.

Before you continue, make sure that your wireless access point is turned on and connected to your broadband internet. To get this part of the system working you may need to read the instructions supplied with the wireless access point.
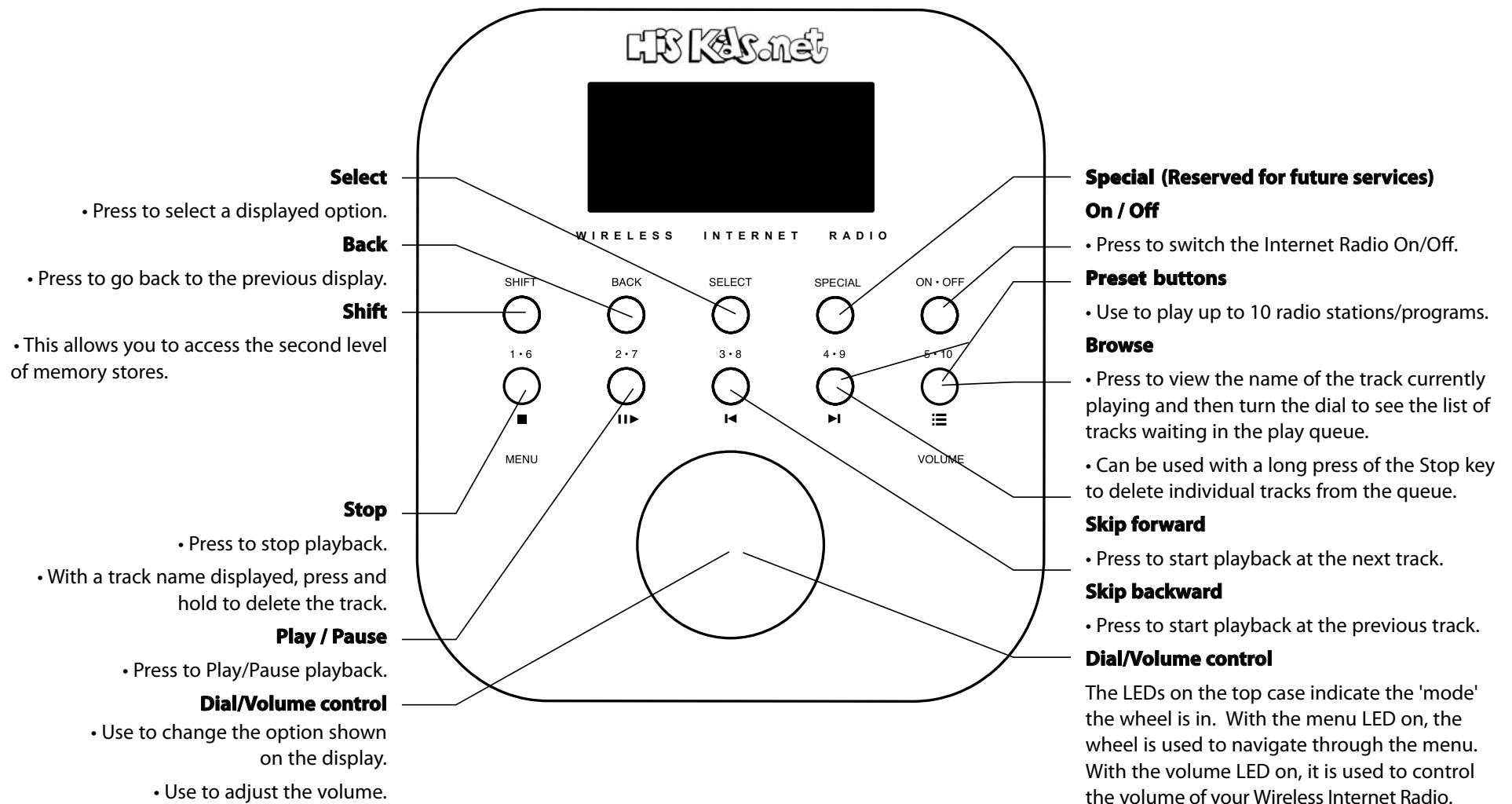
*Note*
*If you have a wireless laptop available you can check that the wireless network is up and working.*

This guide has been written to provide a simple explanation of all the information you need to get the most from your Wireless Internet Radio/Media player.
**What's in the box:**

- The Wireless Internet Radio (WIR) / Media Player
- AC power supply
- User Guide

# THE WIRELESS INTERNET RADIO (WIR) / MEDIA PLAYER

**Select**

• Press to select a displayed option.

**Back**

• Press to go back to the previous display.

**Shift**

• This allows you to access the second level of memory stores.

**Stop**

• Press to stop playback.

• With a track name displayed, press and hold to delete the track.

**Play / Pause**

• Press to Play/Pause playback.

**Dial/Volume control**

• Use to change the option shown on the display.

• Use to adjust the volume.

**Special** (Reserved for future services)

**On / Off**

• Press to switch the Internet Radio On/Off.

**Preset buttons**

• Use to play up to 10 radio stations/programs.

**Browse**

• Press to view the name of the track currently playing and then turn the dial to see the list of tracks waiting in the play queue.

• Can be used with a long press of the Stop key to delete individual tracks from the queue.

**Skip forward**

• Press to start playback at the next track.

**Skip backward**

• Press to start playback at the previous track.

**Dial/Volume control**

The LEDs on the top case indicate the 'mode' the wheel is in.  With the menu LED on, the wheel is used to navigate through the menu. With the volume LED on, it is used to control the volume of your Wireless Internet Radio.

WIRELESS    INTERNET    RADIO

SHIFT        BACK        SELECT        SPECIAL        ON • OFF

1 • 6        2 • 7        3 • 8        4 • 9        5 • 10

MENU        VOLUME

# DISPLAY ICONS

**ICON**        **MEANING**

Shift Enabled.

The radio is in Internet Radio mode and is playing a live stream.

The radio is in Media Player mode. Media controls (PLAY/PAUSE etc) are active.

The radio is in Internet Radio mode and is playing on demand content.

Repeat mode enabled (only available when playing the queue).

Shuffle mode enabled (only available when playing the queue).

Signal strength indicator for the WLAN network.

Sleep timer.

# SETTING UP

## Steps for connecting your radio to a wireless network

*IMPORTANT NOTE*

**The Wireless Internet Radio defaults to Volume mode when playing files, and is put into Menu mode by pressing the BACK key.  It will then time out from the menu back to Volume mode after 10 seconds of inactivity.**

### Step 1 - Powering on the radio

Plug the cable from the power supply into the socket labelled 7.5V DC on the back of the radio, then press the **ON** button.
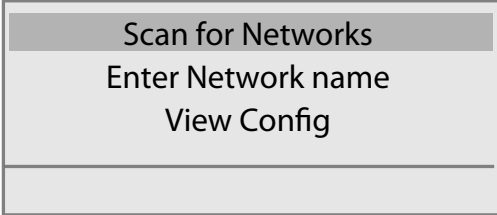
**CAUTION: Use only the power adapter supplied with the radio. Connecting a power supply with a different rating will cause permanent damage to the radio and may be hazardous.**

The display on the front of the radio will light up and say:

> Reciva Radio
> ARM Powered

After a few seconds, this will change to show:

> Scan for Networks
> Enter Network name
> View Config

### Step 2 - Scan for a wireless network connection

When the display says <Scan for Networks>, press the **SELECT** button.

*Note*
*If you make a mistake at any point, press the BACK button to go back to the previous screen.*

*Note*
*When the radio is waiting for a reply from a PC or the access point, you may have to wait for the command to time out before control is returned to the radio.*

*If your access point has its name (ESSID) hidden, you will not be able to find it. You can either enter the name of your access point into the radio, or you can turn on the ESSID of your access point until you have found it.*

The display will now show:

```
            Scanning

    ▐▌▐▌▐▌▐▌▐▌▐▌▐▌▐▌▐▌▐▌▐▌▐▌▐▌
```
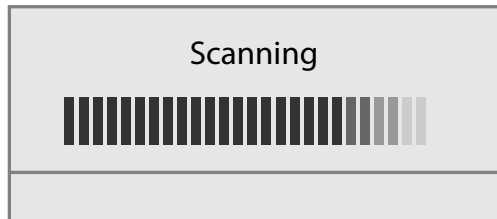
while the WIR searches for any available wireless networks.

*If it can't find one, then the display will show:*

```
          No Wireless
        Networks Found
```
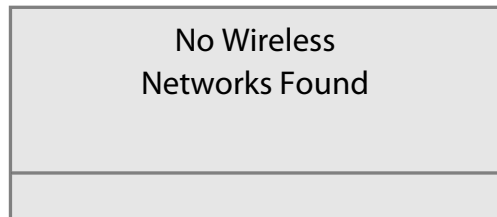
*and you will have to get your wireless access point working (see the instructions supplied with it).*

*It could also be that your access point is out of range, or the ESSID (one of the access point settings) is hidden. This is the access point name and can be set up through the config screen of the access point.*

When the WIR finds your wireless network, it displays the name (ESSID) for the access point on the screen - this is a name which is allocated to the access point by the person who set up the network - for example:

```
          Home Wlan
          Workgroup
        Office Network
```
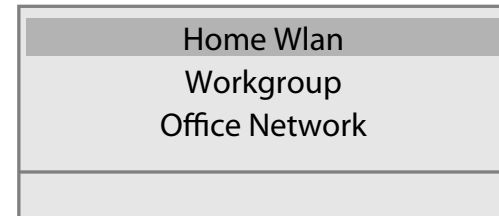
It is possible (and in some locations highly likely) that your WIR will find more than one wireless access point, in which case you can choose which one you want to connect to. Turn the dial on the WIR to see the name (ESSID) for each access point the WIR has found.
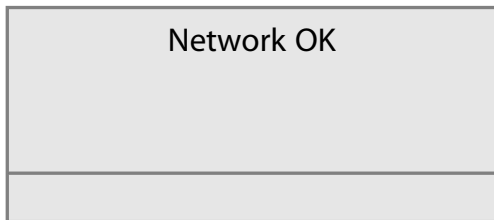
*You should only connect to access points you own or have permission to use.*

**Step 3 - Connect to the wireless network**

When the ESSID for the access point you want to connect to is displayed on the screen, press the **SELECT** button.

You might need to enter the correct WEP (Wired Equivalent Privacy) or WPA (WiFi Protected Access) code.
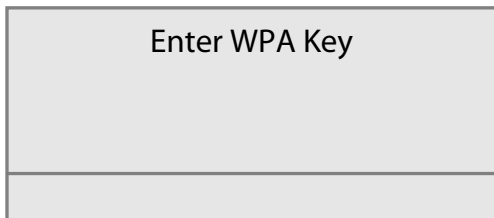
If your network is not configured to need a WEP or a WPA code. The display will show:

```
          Network OK

```

If the screen displays:

```
         Enter WEP Key


```

or

```
         Enter WPA Key


```
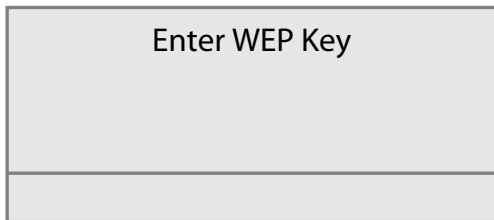
then the network is using one of the encryption systems: Wired Equivalent Privacy (WEP) or WiFi Protected Access (WPA).

You therefore need to enter the correct WEP or WPA code into the radio for it to communicate with your network.

***Note***
***The encryption code would have been set up by the person who installed and configured your wireless network.***

After 3 seconds the display goes into the code entry mode. Or you can press **SELECT**.

***Note***
***If the display does not automatically go into code entry mode, press the* SELECT *button.***

To enter the code, use the dial to select each character of the code in turn, pressing the **SELECT** button after each character.

***Note***
***Make sure the character you want is shown in the center of the display to be able to select it.***
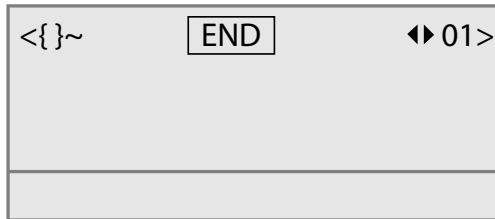
***Note***
***WEP and WPA codes are sensitive to upper and lower case characters so you must enter them exactly.***

***Note***
***Please make sure WEP key code is the Default WEP key when you set up and configured your wireless network.***

After the final character, use the dial to select END and press the **SELECT** button.
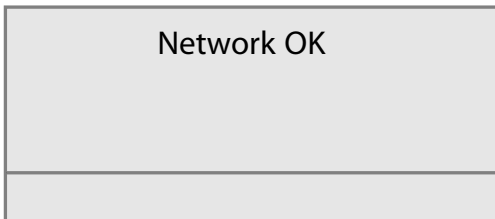
```
<{}~        END              01>
```

The display shows:

```
        Connecting
        to Network
```

as the radio connects to the network.

Then:

```
        Network OK
```

*Important Note:*

*Please see page 33 to upgrade your firmware before proceeding*

## Connecting external speakers or a headset

*Note*

*We advise that you switch the Wireless Internet Radio OFF, before connecting or disconnecting any external accessories.*
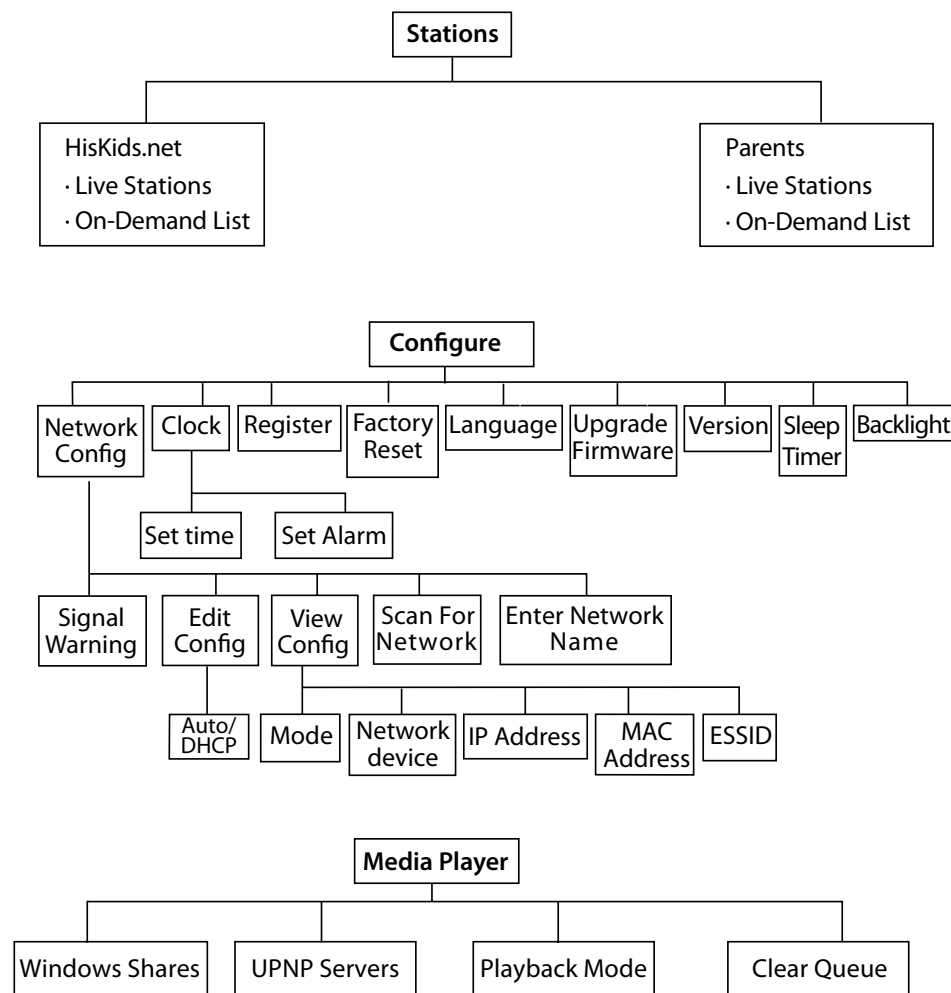
If you wish to use external speakers or a headset with the WIR, connect the speaker or headset adaptor into the 3.5mm stereo socket at the rear of the radio.

*Note*

*The volume control of the WIR controls the level of the signal sent to the auxiliary socket, so the WIR volume must be turned up.*

# USING THE WIR  (Important:  Please see page 33 to upgrade firmware before proceeding)

## The menu structure of the WIR is:

```
                    ┌──────────────┐
                    │   Stations   │
                    └──────────────┘
            ┌───────────────┴───────────────┐
    ┌─────────────────┐             ┌─────────────────┐
    │ HisKids.net     │             │ Parents         │
    │ · Live Stations │             │ · Live Stations │
    │ · On-Demand List│             │ · On-Demand List│
    └─────────────────┘             └─────────────────┘
```

```
                              ┌──────────────┐
                              │  Configure   │
                              └──────────────┘
```

Network Config | Clock | Register | Factory Reset | Language | Upgrade Firmware | Version | Sleep Timer | Backlight

Set time | Set Alarm

Signal Warning | Edit Config | View Config | Scan For Network | Enter Network Name

Auto/DHCP | Mode | Network device | IP Address | MAC Address | ESSID

```
                    ┌──────────────┐
                    │ Media Player │
                    └──────────────┘
```

Windows Shares | UPNP Servers | Playback Mode | Clear Queue

## Choosing a radio station to listen to

When playing a stream, the Wireless Internet Radio/Media Player downloads (buffers) a small amount of data before it starts playing.  This will occur before your selected station starts to play.

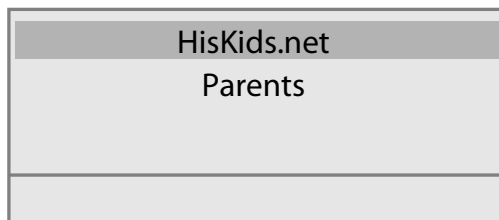**1**  With <Stations> displayed, press the **SELECT** button.

> Stations
> Configure
> Media Player
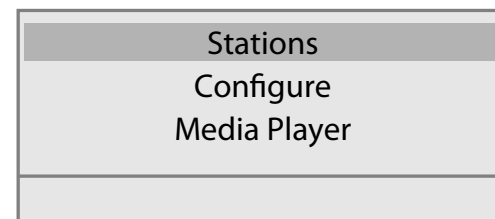
Or

If the screen does not display <Stations>, turn the dial until it does and then press the **SELECT** button.

***Note:***
***If you make a mistake at any point, press the BACK button to go back to the previous screen.***

**2**  Turn the dial to choose from <HisKids.net> or <Parents>.

**3** Press the **SELECT** button to choose which option you want.

```
┌─────────────────────────────────┐
│         HisKids.net             │
│          Parents                │
│                                 │
│                                 │
├─────────────────────────────────┤
│                                 │
└─────────────────────────────────┘
```

**a** Turn the dial until the display shows what you want to listen to and press the **SELECT** button.

**b** The radio connects to the selected content.

*Note*
*Some radio stations do not broadcast 24 hours per day, and some stations are not always online.*

*If this station has on-demand content (that is, it gives the option of listening to programs which have already been broadcast), see "Stations which enable you to choose what you listen to".*

## Changing the volume

When the blue Volume Light is on, you can change the volume by turning the dial clockwise to increase the volume and counterclockwise to decrease the volume. The display shows the volume bar.

You cannot change the volume when the Volume Light is not on/flashing, i.e. when you are in a menu or when the radio is connecting to a station.

## Playing a preset radio station

When the radio is playing, briefly press the preset button (1 to 10) for the content you want.

## Switching the radio off and on

To switch off, press **ON / OFF** once and the clock will be displayed. To set the clock see page 14. To switch on, press **ON / OFF** once and the radio will take up to 60 seconds to start playing again, as it finds the channel you were last connected to and loads it into its buffer.

## Stations which enable you to choose what you listen to

Some radio stations enable you to listen to programs that have already been broadcast. When you select a radio station which has this capability, the station does not start playing immediately but instead the display shows:

```
Live Station
On-Demand List


```
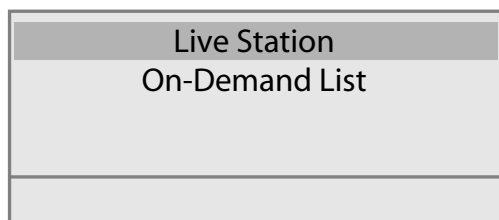
**1** Turn the dial to choose < Live Station > or < On-Demand List>, then press the **SELECT** Button.

If you choose < Live Station >, the radio will play the current output from this station as normal.

If you choose < On-Demand List>, more screens are displayed where you choose what you want to listen to.

*What is displayed will depend on the station you have chosen - the following steps are only a guide.*

**2** When you choose < On-Demand List>, the display shows the names of the programs. Turn the dial to choose the program you want,then press the **SELECT** button.

**3** When you have chosen the program you want to listen to, it will either just start playing, or the display may show a list of days for you to choose from - use the dial to set the day the program was broadcast, then press the **SELECT** button.

**4** After you have chosen the day, you may be able to choose the Start Time. Set the Start Time using the dial and press the **SELECT** button.

**5** Programs which enable you to choose the time also enable you to fast-forward and rewind to the part you want while the radio is playing. When you press **SKIP FORWARD** to play the next track or **SKIP BACKWARD** to play the previous track, the elapsed time that the program has been playing is displayed. You can now turn the dial to change this time, up or down in 30 seconds intervals (or you can use the **SKIP FORWARD** or **SKIP BACKWARD** buttons).

**6** Once the Internet Radio is playing a program that allows you to choose its start time, the radio's preset buttons become playback-control buttons for the stream; e.g. you can press **PAUSE** at any time to pause the stream, and then press **PLAY** to resume playing.

*Note*
*The elapsed time is the time into the program, e.g. x mins after the start of the program.*

*As the radio stations do not specify how long a program is, the time will continue running even after a program has ended, so the elapsed time may exceed the length of the radio program.*
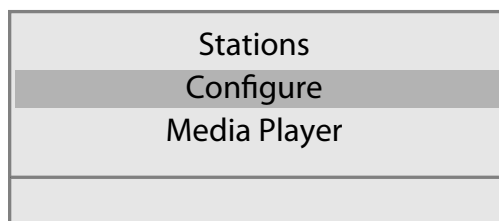
*You can pause 'on demand', and re-start from the same point. If you press STOP instead of PAUSE, play starts from the very beginning next time."*
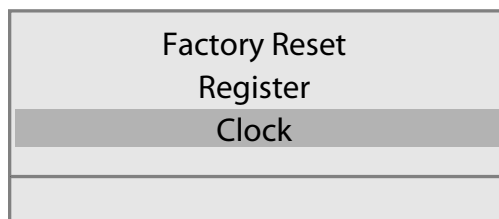
13

## Setting the Clock

*Note*
**If you make a mistake at any point, press the BACK button to go back to the previous screen.**

**1**  Turn the dial to highlight the 'Configure'.

| |
|---|
| Stations |
| Configure |
| Media Player |
| |

**2**  Press the **SELECT** button.

**3**  Turn the dial to highlight the 'Clock'.

| |
|---|
| Factory Reset |
| Register |
| Clock |
| |

**4**  Press the **SELECT** button.

**5**  Turn the dial to highlight the  'Set Time'.

| |
|---|
| Set Time |
| Set Alarm |
| |

**6**  Press the **SELECT** button.

**7**  Turn the dial until the hour setting is correct, then press the **SELECT** button.

| |
|---|
| Set Time |
| 14:03 |
| |

**8**  Turn the dial until the minute setting is correct, then press the **SELECT** button

| |
|---|
| Set Time |
| 15:03 |
| |

**9**  The display says Time Set with the new time shown beneath for 3 seconds then returns to the radio station display.

| |
|---|
| Time Set  : |
| 15:06 |
| |

*Note*
**The ability to set and display time in 12-hour am/pm format will be available in the very near future. Visit www.HisKids.net/solutions to make sure your WIR is operating with the latest firmware.**
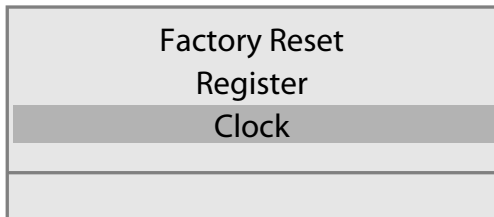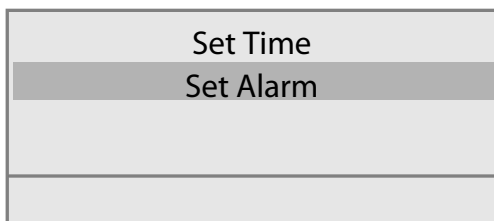
## Setting the Alarm

**1** Turn the dial to highlight the 'Configure'.

```
          Stations
          Configure
        Media Player
```

**2** Press the **SELECT** button.

**3** Turn the dial to highlight the 'Clock'.

```
       Factory Reset
          Register
           Clock
```

**4** Press the **SELECT** button.

**5** Turn the dial to highlight the 'Set Alarm'.

```
          Set Time
          Set Alarm
```

**6** Press the **SELECT** button.

```
        Enable Alarm
         Yes   No
```
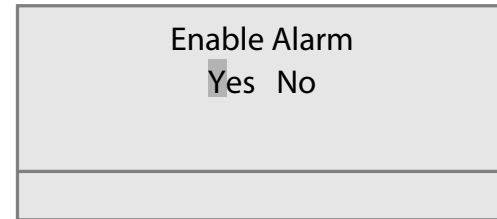
**7** Turn the dial to swap between Yes and No and press the SELECT button. If you choose "No" then the alarm is turned off. The display says Alarm is Off for 3 seconds, then returns to the radio station display.

**8**
```
         Alarm is Off
```

**9** If you choose "Yes" then the display enables you to set the time for the alarm.

```
          Set Alarm
           15:06
```

**Note**

*Alarm will be activated in standby mode.*

**10** Turn the dial until the hour setting is correct, then press the **SELECT** button.

Set Alarm
07:06
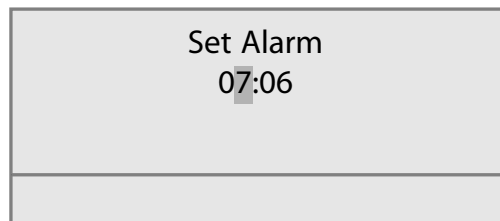
**11** Turn the dial until the minute setting is correct, then press the **SELECT** button.

Set Alarm
07:45
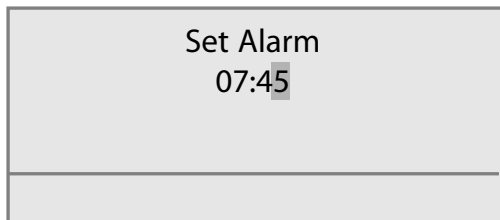
The display says Alarm Set with the time of the alarm shown beneath for 3 seconds, then returns to the radio station display. In standby, the alarm time is displayed in brackets under the main time.
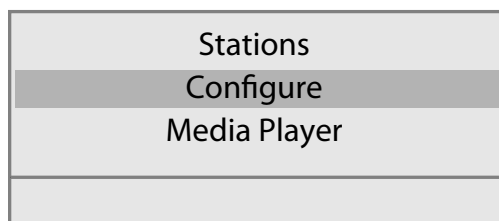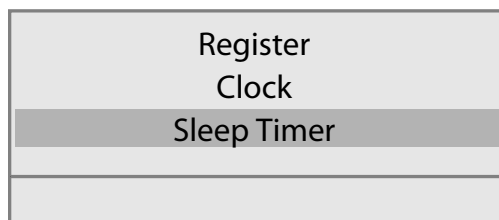
Alarm Set :
07:45
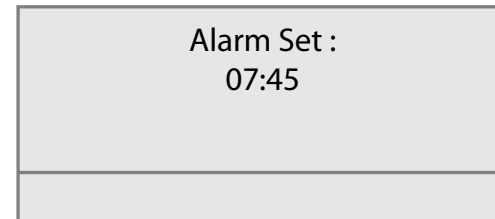
# Setting the Sleep Timer

*Note*
***If you make a mistake at any point, press the BACK button to go back to the previous screen.***
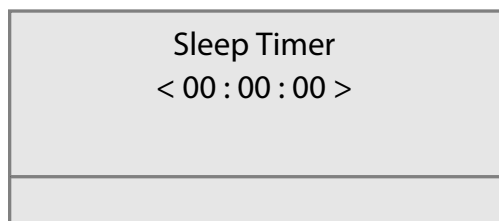
**1** Turn the dial to highlight the 'Configure'.

```
        Stations
        Configure
        Media Player

```

**2** Press the **SELECT** button.

**3** Turn the dial to highlight the 'Sleep Timer'.

```
        Register
        Clock
        Sleep Timer

```

**4** Press the **SELECT** button.

```
        Sleep Timer
        < 00 : 00 : 00 >


```

**5** Turn the dial until the timer setting is correct.

```
        Sleep Timer
        < 00 : 00 : 30 >


```

**6** Press the **SELECT** button

```
        Time Set


```

*Note*

***Turn the dial until the timer is 00:00:00 to disable the Sleep Timer***

*Note*

***The radio will go into standby mode after the sleep timer has expired.***

***To turn the radio back on again, press the ON / OFF button.***

## Setting the Backlight

*Note*
*If you make a mistake at any point, press the BACK button to go back to the previous screen.*

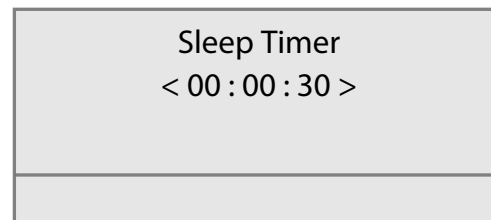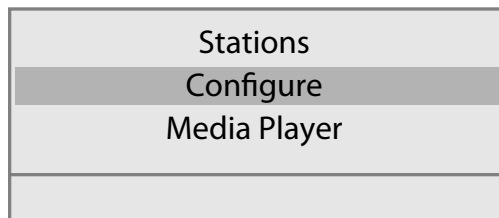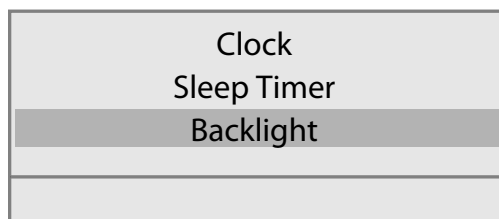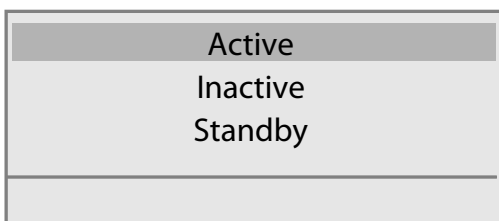**1** Turn the dial to highlight the 'Configure'.

```
            Stations
            Configure
          Media Player

```

**2** Press the **SELECT** button.

**3** Turn the dial to highlight the 'Backlight', press the **SELECT** button.

```
              Clock
           Sleep Timer
            Backlight

```

**4** Turn the dial to choose from <Active>, <Inactive> or <Standby>.

```
             Active
             Inactive
             Standby

```
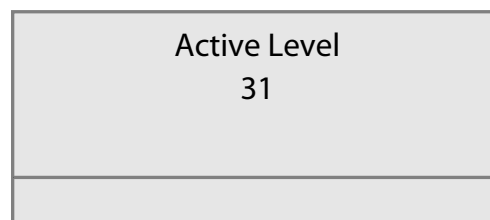
**<Active>** state when there is user activity.
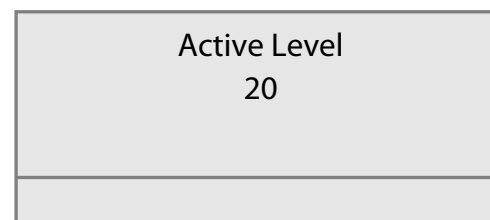**<Inactive>** state when there is no user activity for 30 seconds.
**<Standby>** state when the radio has been turned off.

**5** Press the **SELECT** button to choose the option you want, example <Active>.

```
           Active Level
               31

```

**6** Turn the dial to choose the backlight brightness from level 0 to 31. The brightness will immediately change when you turn the dial.

```
           Active Level
               20

```

**7** Press the **SELECT** button.

```
           Active Level
            Set to 20

```
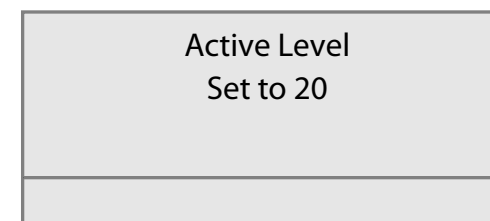
The display says Active Level Set to the new level shown beneath for 3 seconds, then returns to the <Active> display.

# GETTING STARTED WITH THE MEDIA PLAYER

In order to play the music files you have stored on your PC via the "Windows Shares" and "UPNP Servers" of the Media Player, you must ensure the following:

- That your PC has the correct type of music files saved on it (explained in the following paragraphs).

- The music files on your PC are not 'protected'.

- That the music files are stored in the correct location on your PC.

- The PC has file sharing turned on.

- The music files can be 'shared' on the network.

- You know the Name of your PC.

The configuration of your PC and media files may already allow the WIR to stream the media you have stored. It is worth trying to stream music from your PC first, then resolve any issues that may arise rather than working through the following set up.

## Music content

The Internet Radio plays the most popular music types:

| File type | File extension shown on PC |
|---|---|
| | (These are the letters that appear after the file name, e.g. Music.mp3) |
| MP3 | .mp3 |
| Windows Media | .wma |
| Real | .ra |
| iTunes (Unprotected) | .aac |
| Ogg Vorbis | .ogg |

***Note***

***If you are uncertain of the format of your music, please look in the folder on your PC and ensure that the file extensions are listed in the previous section.***

Windows normally hides the file extensions, so you may need to turn on 'View File Extensions'. This can be done from the 'Control Panel', 'Folder Options' menu.
The option is labelled 'Hide extensions for known file types' and is found in the 'View' tab.



CONTROL PANEL

FOLDER OPTIONS

VIEW TAB

MAKE SURE THE 'HIDE FILE EXTENSIONS FOR KNOW FILE TYPES' IS NOT CHECKED
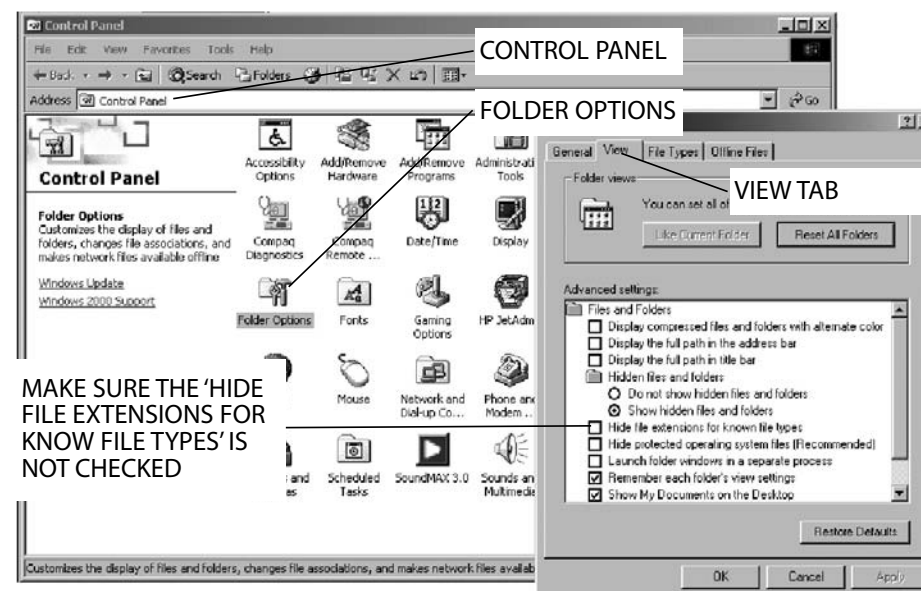
# Ensuring files are not protected

If you suspect an audio file is protected, you can confirm this in Windows XP by finding the file on your PC and right clicking on the file. In Windows, click 'Properties'. Protected files will have a 'License' tab which will say 'Protected Content'. If the WIR tries to play a protected file, the display will say the file is 'Protected'.

*Note*

***Unfortunately, Windows 2000 does not have the same feature so it is not possible to check. The simplest solution is to save a new file and ensure that the protection is off.***

### XP Only



PROTECTED CONTENT
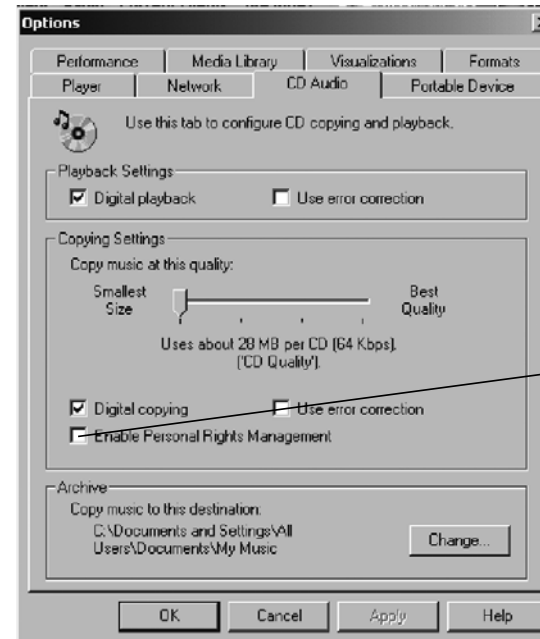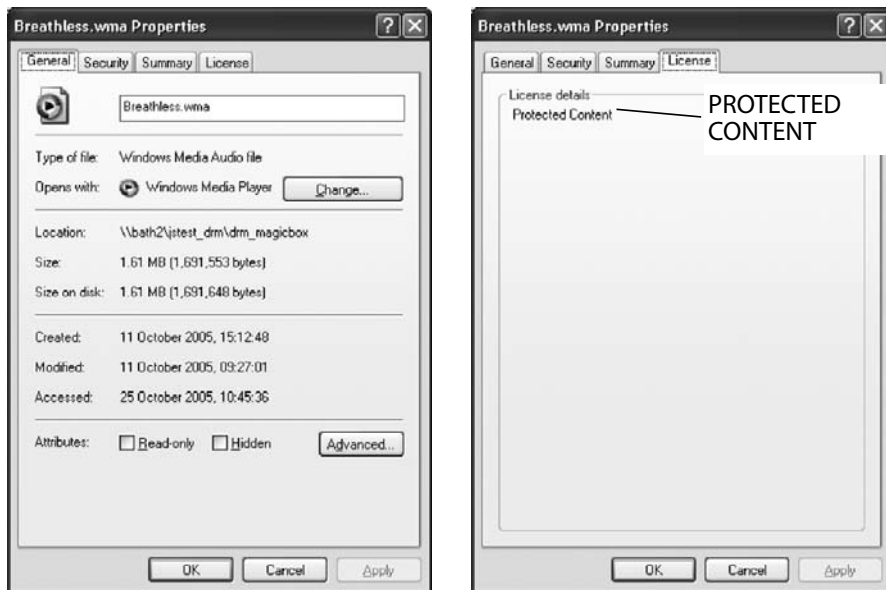
THIS IS FROM A WINDOWS 2000 MACHINE WITH WINDOWS MEDIA PLAYER 7. THIS SCREEN IS REACHED FROM THE TOOLS PULL DOWN AND THEN SELECTING OPTIONS.

DISABLE THE PERSONAL RIGHTS MANAGEMENT FEATURE BEFORE COPYING YOUR CDS, AS IT WILL PREVENT THE INTERNET RADIO FROM PLAYING THE STORED FILES.

### XP Pro with Media Player 10
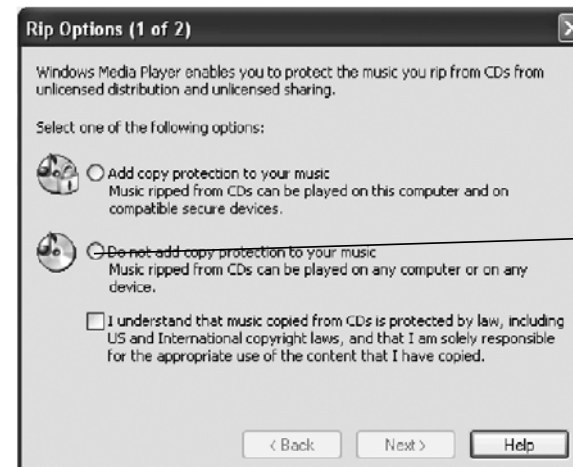


YOU GET HERE BY SELECTING TOOLS FROM WITHIN WINDOWS MEDIA PLAYER, THEN OPTIONS.

DO NOT COPYRIGHT PROTECT MUSIC OR YOU WILL NOT BE ABLE TO PLAY IT VIA THE INTERNET RADIO.

If the file is protected, you will NOT be able to play it on the Media Player.

You will either need to un-protect it, or save it again with the Personal Protection turned off.

## Notes on Ripping Music

Sometimes when you put a CD into the PC it will display 'Unknown Album', 'Unknown Artist' and 'Unknown Tracks'. Obviously, this makes choosing media difficult. However, most CD copy programs, like Windows Media Player 10, have an option to find the information from the internet, so providing you are connected to the internet, selecting 'Find Album Info' should update all of the information for you.

### Note
***The default setting for Windows Media Player is that it will automatically try to update the track information if the PC is connected to an active internet connection.***

**Windows Media Player on XP Pro**



FIND ALBUM INFORMATION
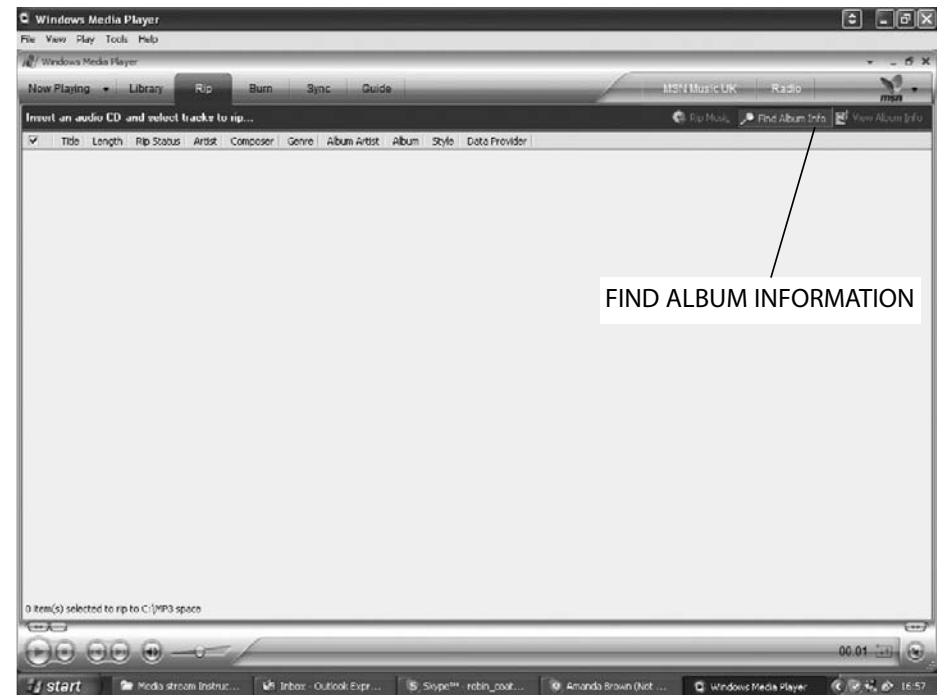
# Location of My Music Files

The simplest place to store your music is at the 'top' of the PCs hard drive. This is normally referred to as the 'root directory'. To find the root directory, go to 'My Computer' and find the 'C:' location. This is the root directory and you should put your music in a folder in this directory.

THE ROOT DIRECTORY, C:
YOU SHOULD PUT YOUR
MUSIC FOLDER IN HERE
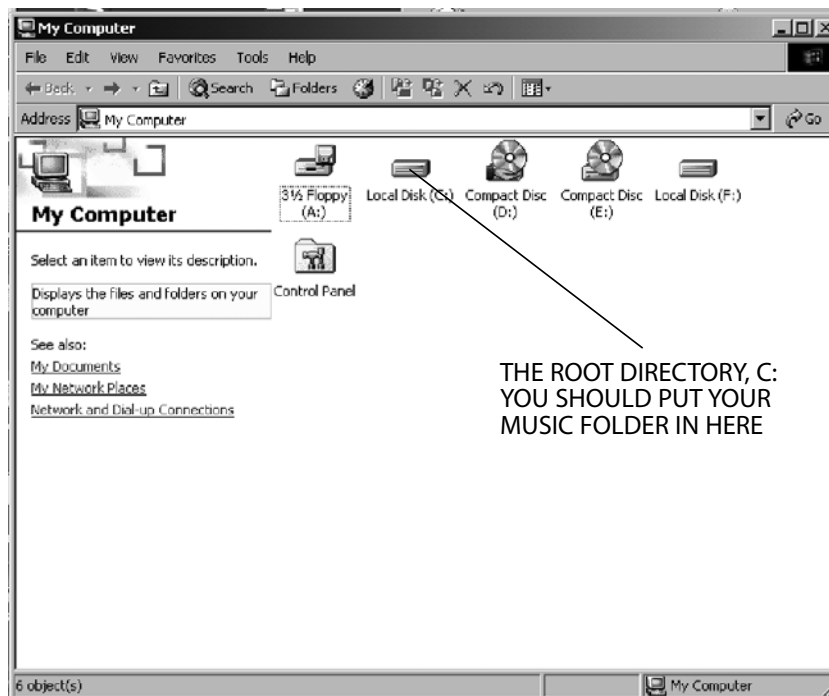
**Note**
**If you have copied music to your hard drive using Windows Media Player, it will have stored the files in the 'My Music' folder.  Unfortunately this is a protected folder and cannot always be 'shared', so you will need to move the content to the root directory.  Similarly, music files cannot be shared from the CD Drive.**

To do this, go to the folder where the 'My Music' folder is located; normally  C:\Documents and Settings\[Username]\My Documents\My Music.

Then cut this folder and paste it to the root directory 'C:\'.

Windows Media Player will still be able to play your music from its new location, but you will need to tell Windows Media Player to search and find the new location of your music. You can do this by entering the 'Library' tab in Windows Media Player and selecting 'Add to Library' from the 'File' menu.  You can instruct Windows Media Player to search the entire drive for media.

To ensure that Windows Media Player stores all future music you save on your PC to the same folder in the root directory, from within Media Player select the 'Rip Music' tab in the 'Options' dialog bar, found under the 'Tools' menu.

**Note**
**If the 'File' and 'Tools' menus are hidden, right click near the top of Windows Media Player and select 'View', 'Menu Bar Options', 'Show Menu Bar' from the context menu.**



CHANGE TO THE ROOT
DIRECTORY, C:\
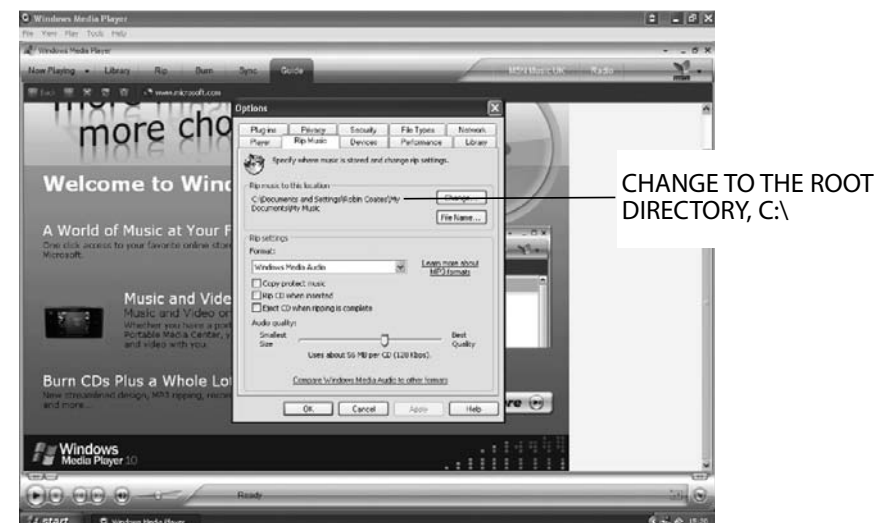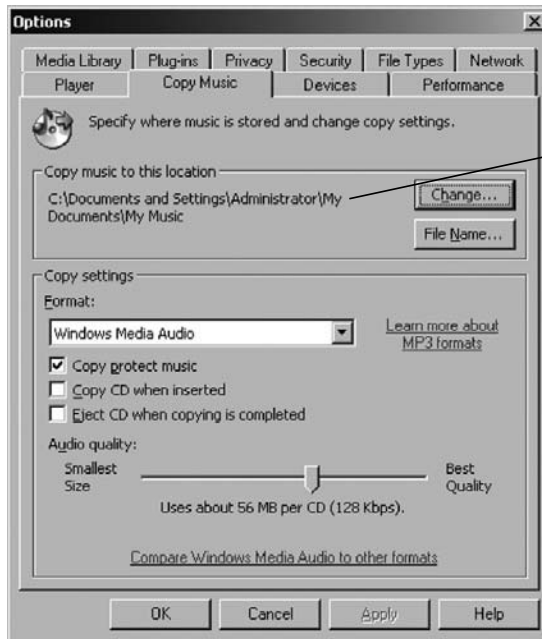
CHANGE TO THE ROOT DIRECTORY, C:\

If you are using iTunes, by default the CD copy software stores the music to:

c:\Documents and Settings\Home(name of your computer user)\My Documents\Music\iTunes\iTunes Music.
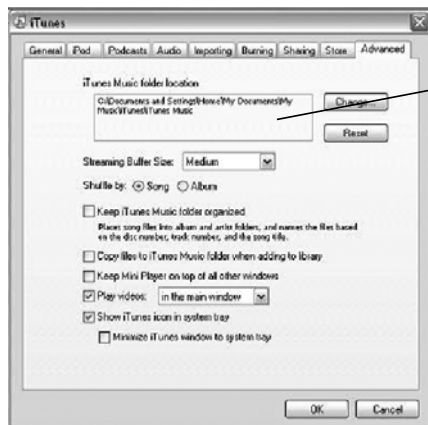


CHANGE TO THE ROOT DIRECTORY, C:\

# PC File Sharing

Follow the instructions shown in 'Sharing Files' (see page 24), if the Sharing option is not highlighted (not available for selection), you will need to enable Global File Sharing as described in this section.

In Windows XP there is a Wizard which does the configuration for you. In the 'Control Panel',  select 'Network Connections', select File and 'Network Set Up Wizard'. The wizard is called 'Set up a home or small office network'.

In Windows 2000, ensure that 'File and Printer Sharing for Microsoft Networks' is installed. This can be verified by selecting 'Properties' on the LAN connection from 'Network and Dial-up connections' in the Control Panel.

**Windows 2000**
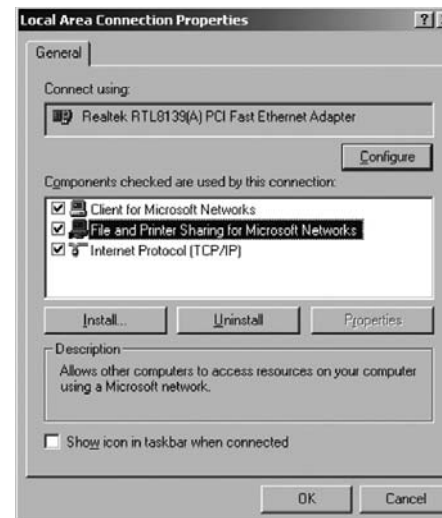
**Windows XP:**
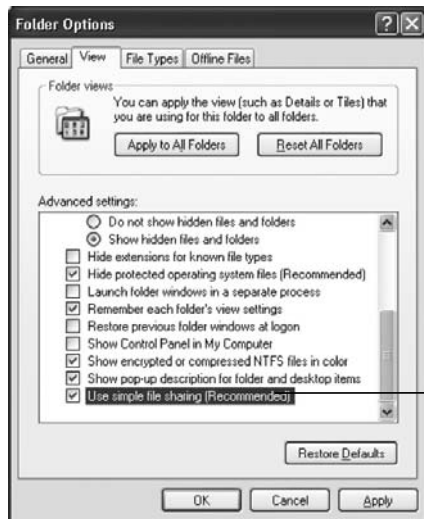


USE SIMPLE FILE SHARING OPTION

# Sharing files

You now need to set the properties of the folder where the music to be 'shared' is stored.

- First find your music folder in the root directory, then right click on it and select 'Properties':
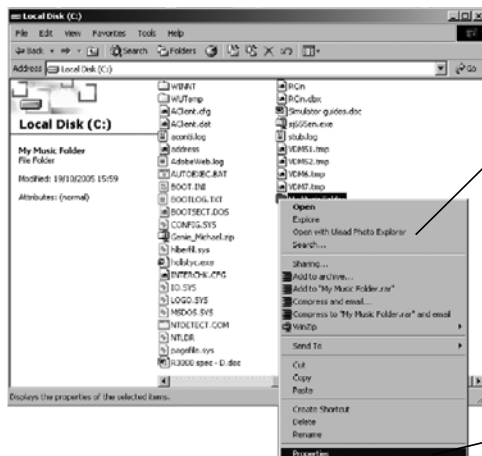


RIGHT MOUSE CLICK ON THE 'MY MUSIC FOLDER' WHICH IS IN THE ROOT DIRECTORY

THEN SELECT PROPERTIES

When the 'Properties' window opens, select the 'Sharing' tab and click on the button that allows file sharing:

**In Windows 2000, it will look similar to this**
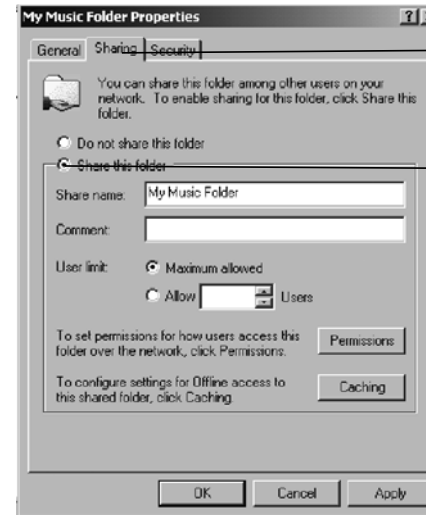


SHARING TAB

ALLOW THE FOLDER TO BE SHARED

**In Windows XP, it will look similar to this**
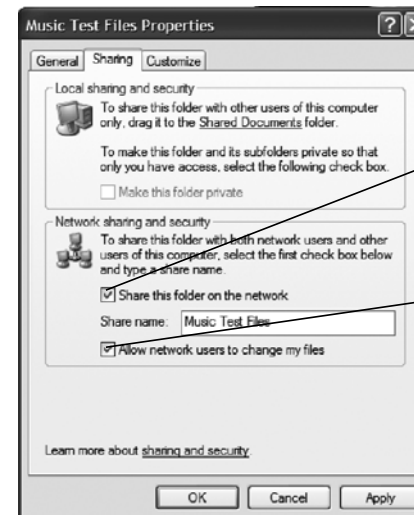


CHECK SHARE THIS FOLDER

ALSO ALLOW THE FILE TO BE CHANGED, AS THIS WILL ENABLE THE RADIO TO MAKE A LIST OF THE MUSIC YOU HAVE AND SPEED UP SEARCHING. IF YOU DO NOT ALLOW THIS, THE WIR WILL HAVE TO RE-SCAN YOUR ENTIRE MUSIC COLLECTION EACH TIME YOU ACCESS THE PC.

You may need to enter a 'Share Name' (Windows sometimes does this automatically). You can enter any name you want, and once the Internet Radio has found the folder with your music in it, the radio will display the share name rather than the folder name.

When the folder is shared, the folder icon will be shown with a cupped hand holding the folder:

CUPPED HAND UNDER FOLDERS, SHOWING THEY ARE SHARED
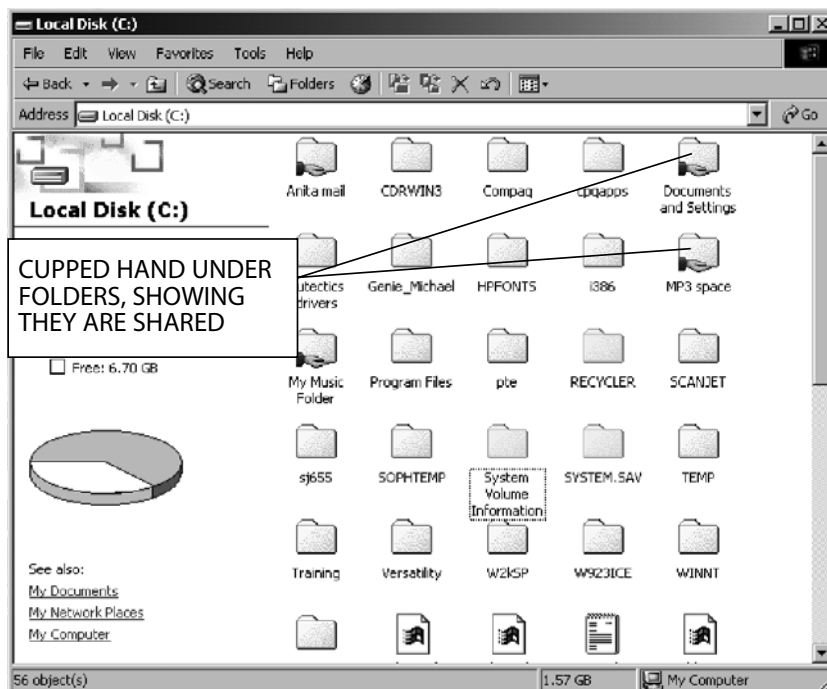
# Your PC Name

When you search on the Internet Radio for PCs, it will identify your PC by its name. To confirm the name of your PC, go to the 'Control Panel' and select 'System' and then the 'Network Identification' tab:

**Note**
*If you only have one PC on the network, then there is no need to check the name as it will be the only one on the network.*

**Windows 2000**

CONTROL PANEL

NETWORK IDENTIFICATION TAB

SELECT SYSTEM

COMPUTER NAME, IN THIS CASE Dave's PC

CONTROL PANEL

XP Home

SELECT THE SYSTEM ICON AND THEN THE COMPUTER NAME TAB

COMPUTER NAME
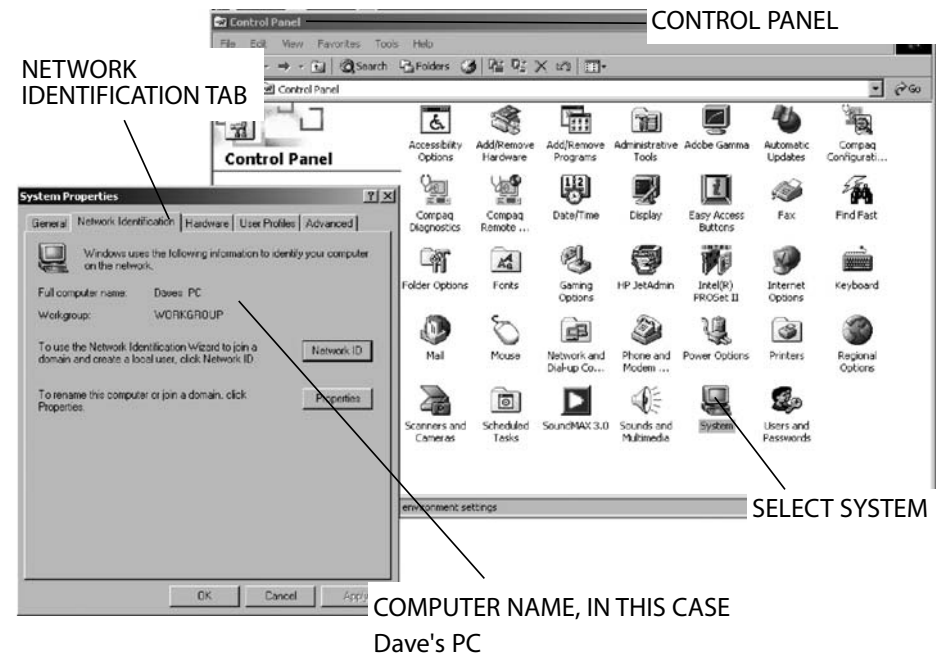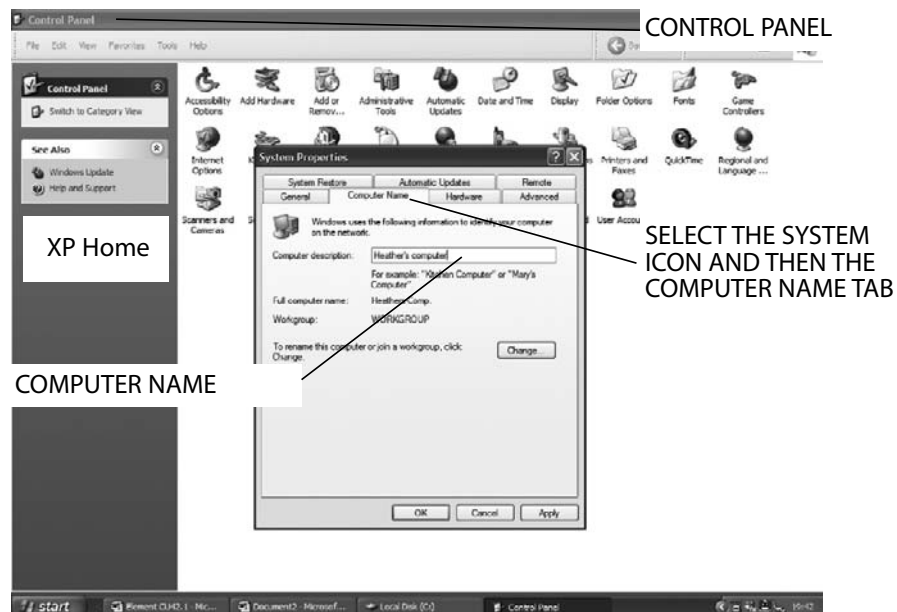
*Note*

*The view of Control Panel shown here is Classic.  An alternative view showing 'Categories' is also available.  In this view, select 'Performance and Maintenance', and then 'System Properties'.*

# Set up your MAC to allow the WIR to access your audio files

**1** Double click on 'System Preferences' on the 'Dock', then select 'Sharing' in the 'Internet & Network' section.

Click 'Windows Sharing' in the 'Services' section to enable Windows filesharing. Within the window you should see 'Windows Sharing On' (and a STOP button), this indicates windows sharing is activated.

**2** Click the 'Accounts...' button when 'Windows Sharing' is activated, then check the accounts for which sharing will be enabled. Click DONE and close the Window.

**3** With the 'Finder' menu displayed, select 'Utilities' from the Go Menu, then double-click on  'Directory Access'.

Enable 'SMB/CIFS', and click 'Configure...'. Enter a workgroup name in here and click on 'Apply'.

*Note*

*If the Enable options are not highlighted for selection, click the Lock symbol in the bottom left of the window, enter your password and press OK.*

## UPnP Servers Set up

### Installing Window Media Connect

**1** Windows XP based PC (Home Edition or Professional) is required for the set up of UPnP Servers.

**2** Windows Media Connect is able to free download from Microsoft website or Windows Update Installer.

### UPnP Music Sharing

**1** Open Windows Media Connect program. At the "Sharing", click "Add" to add the music folder that willing to share in the UPnP server. You shall able to choose the sharing folder whether is share to all devices or only selected device.

**2** The UPnP server's name shall able to confirm at the Top Title Bar of the Windows Media Connect.

**3** Once the WIR had connected to the UPnP server, you are able to view the WIR listed in the "Devices" of the Window Media Connect on your PC.

*Note*

*Windows Media Connect in UPnP servers only can support below music types :*

*File type          File extension shown on UPnP Server*
*MP3              .mp3*
*Windows Media .wma*

UPnP Servers Name

Device
Sharing
Setting
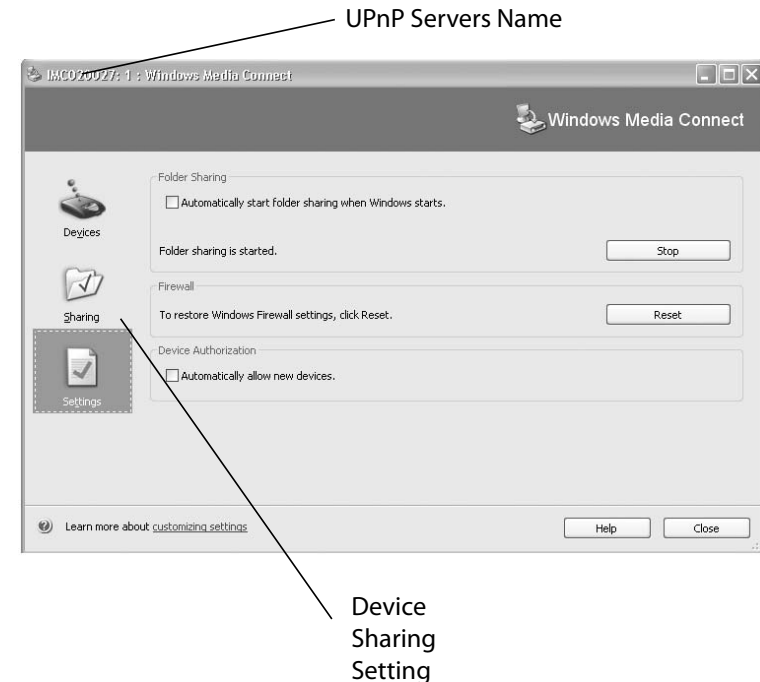
# Instructions for PC streaming

**1** Select Media Player on the WIR.

Switch on the Internet Radio and press **BACK** until you are at the top level menu. Turn the dial until Media Player is displayed and press the **SELECT** button.

**2** Turn the dial to choose from <Windows Shares> or <UPNP Servers>.

### Windows Shares

**1** Press the **SELECT** button to choose <Windows Shares>. When 'Scan for PCs' is displayed, press the **SELECT** button. Your computer network will scan and a list of all available PCs will be displayed on your Internet Radio.

*Note*
*If a PC does not have global file sharing turned on or a third party firewall is protecting the PC, it will not be visible when you scan for it. Please refer to the Troubleshooting section in this document to overcome this problem.*

**2** Turn the dial to highlight the PC you want to play music from and press the **SELECT** button.

*Note*
*You may be asked to enter a username and password to access the PC you have selected. This is the same user name and password you would enter if actually sitting in front of the computer.*

**3** Finding folders

The Internet Radio will now scan the PC you have selected and display a list of any folders which have 'sharing' enabled.

*Note*
*Your PC may have folders shared which do not contain music. The Internet Radio is just searching for shared folders, so will find all shared folders, regardless of content.*

Turn the dial to select the folder that contains the saved music, and press the **SELECT** button.

**4** Selecting music

You can now view the content of the shared folder by Album or Artist. Use the dial to move through the list.

**5** Adding music to the queue and managing the queue.

When you select music to be played, it is added to the Play queue, and played sequentially. The queue can be stopped or viewed by pressing the queue play control keys (underneath the 1.6, 2.7, 3.8, 4.9, 5.10 buttons).

A single track can be deleted from the queue by browsing the queue and then pressing and holding the **STOP** button for more than 2 seconds, or the entire queue can be deleted from the top level menu.

**UPnP Servers**

**1** Press the **SELECT** button to choose <UPnP Servers>.

List of all available UPnP Servers will be displayed on your Internet Radio. If no UPnP server is detected, <EMPTY> is displayed.

**2** Turn the dial to highlight the UPnP Servers you want to play music from and press the **SELECT** button.

**Finding folders**

**1** The Internet Radio will now scan the UPnP Server you have selected and display a list of any folders which have got 'sharing' enabled.

**2** Turn the dial to select the folder that contains the saved music and press the **SELECT** button.

**Selecting music**

**1** You can now view the content of the shared folder by Album , All Music, Artist, Folder, Genre and Playlist. Use the dial to move through the list.

**2** Adding music to the queue and managing the queue.

When you select music to be played, it is added to the Play queue, and played sequentially. The queue can be stopped or viewed by pressing the queue play control keys (underneath the 1.6, 2.7, 3.8, 4.9, 5.10).

A single track can be deleted from the queue, by browsing the queue, and then pressing and holding the **STOP** button for more than 2 seconds, or the entire queue can be deleted from the top level Menu.

## Locate the audio files using the radio

**1** Switch on the radio.

**2** Wait for Stations to be displayed or for playback to start.

**3** Press the **BACK** button repeatedly until Stations

**4** Turn the dial until the display shows Media Player

**5** Press the **SELECT** button. Turn the dial to choose from <Windows Shares> or <UPnP Servers>.

**Windows Shares**

**1** Press the **SELECT** button to choose <Windows Shares>.

The display will show Scan For PCs.

**2** Press the **SELECT** button. The display will show Finding PCs and a rotating bar will be displayed.

**3** Turn the dial to highlight the correct PC.

**4** Press the **SELECT** button. The radio searches for shared folders.

**5** Turn the dial to highlight the correct folder.

**6** Press the **SELECT** button. File Scan is displayed. Text on the bottom row of the display will change to indicate that the file scan is in progress. If you have a large number of audio files this could take several minutes to complete.

**7** By Album will be displayed when the file scan is complete.

**UPnP Servers**

**1** Press the **SELECT** button to choose <UPnP Servers>. The display will show the available UPnP Servers list . <EMPTY> will show if no UPnP servers have found.

**2** Turn the dial to highlight to choose the UPnP Servers.

**3** Press the **SELECT** button. The radio searches for shared folders of the UPnP server.

**4** Turn the dial to highlight the correct folder.

*Note*

*<Music>, <Picture>, <Playlist> and <Video> will always display when you turn the dial to move the highlight. Please make sure that supported file's folder is selected.*

**5** Press the **SELECT** button.< Album> will be displayed when the folder scan is complete.

## Listening to a single track by a specific artist

*Before you can select by artist, you must have scanned for PCs and selected one, and found a folder with the content in it that you want to select from.*

**1** Turn the dial until 'By Artist' is displayed.

**2** Press the **SELECT** button.

**3** Turn the dial until the required artist is displayed.

**4** Press the **SELECT** button.

**5** Turn the dial until the required album name is displayed.

**6** Press the **SELECT** button. 'Add to Queue' is displayed.

**7** Turn the dial until the required track is displayed.

**8** Press the **SELECT** button, the track will begin playing.

## Listening to a complete album by a specific artist

**1** Turn the dial until 'By Artist' is displayed.

**2** Press the **SELECT** button.

**3** Turn the dial until the required artist is displayed.

**4** Press the **SELECT** button.

**5** Turn the dial until the required album name is displayed.

**6** Press the **SELECT** button. 'Add to Queue' is displayed.

**7** Press the **SELECT** button. The album will begin playing.

## Adding tracks to the queue

1  Find the track either via the 'By Genre' or 'By Artist ', select the album which holds the tracks, but rather than 'Add the Album to Queue ', rotate the wheel to step through the tracks on the album, and press **SELECT** to add that track to the queue.

2  Press the **SELECT** button,Track Added To Queue is displayed.

## Queuing up albums for playback later

1  Highlight the required album.

2  Press the **SELECT** button.

3  Turn the dial until Add to Queue is displayed.

4  Press the **SELECT** button. Tracks Added to Queue is displayed.

## Controlling playback

1  Use the ■ button to stop playback.

2  Use the ‖ ▶ button to either pause a currently playing track or to restart a currently paused track or to restart a stopped track.

3  Use the ◀‖ button to start playback of the previous track in the queue.

4  Use the ▶‖ button to start playback of the next track in the queue.

## Browsing the list of tracks currently queued up for playback

1  Press the ☰ button. The currently playing track name will be displayed and the total size of the queue e.g 1 of 10.

2  Turn the dial to see which tracks are queued up for playback.

3  If you want to jump to a particular place in the queue then press the **SELECT** button when the required track is displayed.

## Removing tracks from the queue

1  Press the **BROWSE** button. The name of the track currently playing will be displayed.

2  Turn the dial to select the track you want to remove from the queue.

3  Press *and hold* the **STOP** button for 2 seconds. The display will show Delete  Track? Yes/No .

4  Turn the dial to highlight either Yes  or No.

5  Press **SELECT** to confirm you want to delete the track from the queue.

6  If Yes was selected then 'Removed From Queue' will be displayed.

7  Alternatively the entire queue can be deleted from the menu option 'Media player' > 'Clear queue'.

## Playing tracks in random order

1  Select the individual tracks as described previously and place them in the queue.

2  Navigate to the top level menu of the Media Player using the **SELECT** and **BACK** buttons.

3  Press the **SELECT** button.

4  Turn the dial until PlaybackMode  is displayed.

5  Press the **SELECT** button.

6  Turn the dial until Shuffle is displayed.

7  Press the **SELECT** button.

8  Turn the dial to select YES  to confirm that shuffle mode should be enabled. This will shuffle the existing queue and shuffle any new tracks that are added. However, if when the WIR has a shuffled queue, the customer turns off the shuffle feature, the current queue is NOT unshuffled, but any new tracks are not shuffled.

## Playing tracks in the queue repeatedly

1  Select the individual tracks as described previously.

2  Navigate to the top level menu of the Media Player using the **SELECT** and **BACK** buttons.

3  Press the **SELECT** button.

4  Turn the dial until PlaybackMode  is displayed.

5  Press the **SELECT** button.

6  Turn the dial until Repeat is displayed.

7  Press the **SELECT** button.

8  Turn the dial to select YES  to confirm that repeat mode should be enabled.

9  To turn off selected tracks return to the same menu option; Repeat or Shuffle .

10  You will be asked if you wish to Disable , Yes  or  No.
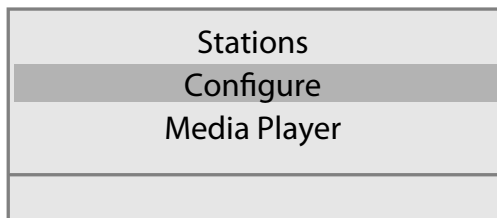
11  Press the **SELECT** button.

# CONFIGURE MENU

## Choosing the option you want from the Configure menu

**1** Press the **SELECT** button.

*Note*
*If you make a mistake at any point, press the* **BACK** *button to go back to the previous screen.*

**2** Turn the dial until the display shows Configure.

| |
|---|
| Stations |
| Configure |
| Media Player |
| |

**3** Press the **SELECT** button.

**4** Turn the dial until the display shows the option you want. The following options are available:

| |
|---|
| Network Config |
| Version |
| Upgrade Firmware |
| |
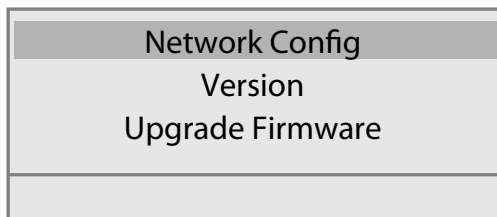
Enables you to scan again for connection to another wireless network, or to manually configure the network parameters. Use this if you take the Internet Radio to another building where you want to use it.  See "Steps for connecting your radio to a wireless network", page 7.

| |
|---|
| Network Config |
| Version |
| Upgrade Firmware |
| |
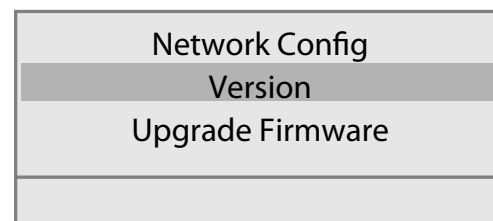
Displays the version numbers of the various parts of software and hardware on your Wireless Internet Radio.

| |
|---|
| Network Config |
| Version |
| Upgrade Firmware |
| |
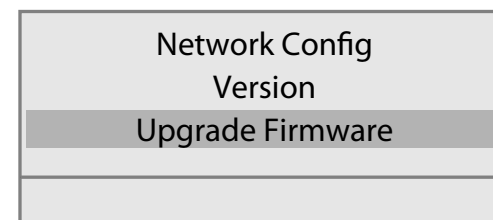
Use this option to download free firmware for your radio from the HisKids.net portal on the internet.  If there is new firmware available, then the radio will ask if you want to download it or not. Note, at this stage, you can press the radio's **BACK** button to cancel the initiation of a firmware upgrade. A firmware upgrade may take several minutes, so do not switch off the power to the radio until the operation is completed, otherwise the radio may become permanently damaged.

```
                Version
          Upgrade Firmware
              Language
```
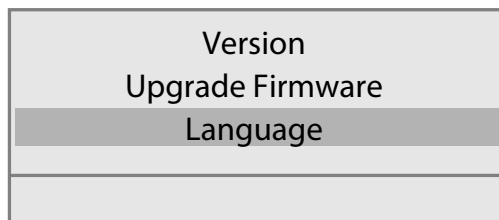
Allows you to change the display language.

```
          Upgrade Firmware
              Language
            Factory Reset
```

Puts all the settings back to their defaults as they were when they left the factory. Only do this in the unlikely event that your radio has locked up -- as you will lose **all** your wireless network configuration.

```
              Language
            Factory Reset
              Register
```

This will display a code that may be used to register the radio online, and may allow you to enable advanced interactive features, such as ...

- Defining a favorites menu that will be displayed on your radio.
- Send you an email when you press the **SPECIAL** button to let you know which track you were listening to (reserved for future services).

- Purchase the current track that you are listening to.

```
            Factory Reset
              Register
               Clock
```
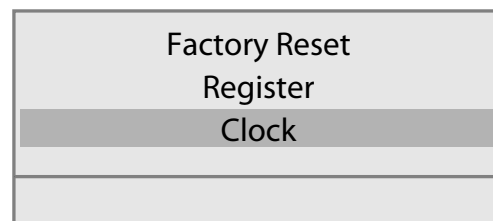
Use this option to set the time, to set an alarm, see "Setting the clock"and "Setting the alarm"

```
              Register
               Clock
             Sleep Timer
```
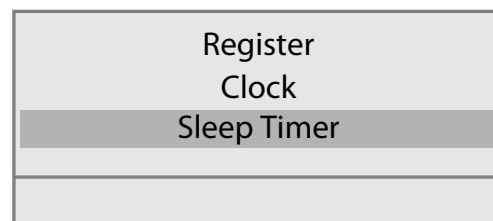
- Set the timer for the radio to go to Standby mode.

```
               Clock
             Sleep Timer
              Backlight
```
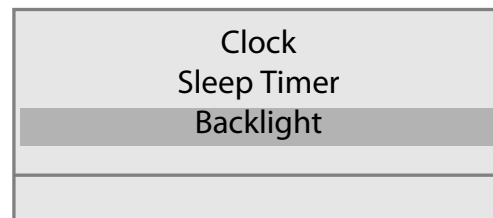
- Adjust the brightness level of the backlight while the radio is in Active, Inactive and Standby state.

**5** Press the **SELECT** button to choose the option shown on the display.

# TROUBLESHOOTING

**If you have trouble connecting the radio to your wireless network, these steps may help to resolve the problem:**

- Confirm that a WLAN connected PC can access the Internet (i.e. can browse the web) using the same network.

- Check that a DHCP server is available, or that you have configured a static IP address on the radio.

- Check that your firewall is not blocking any outgoing ports. As a minimum the radio needs access to UDP and TCP ports 80, 554, 1755, 5000 and 7070.

- Some access points may be set so that only equipment with registered MAC addresses can connect to them. This is one possible cause of the WIR being unable to connect to the WLAN network, and the WIR display will show Bad ESSID or Key. To overcome this problem you will need to add the WIR's MAC address to the list of allowed equipment in your Access point.

  The WIR's MAC address can be found using the menu item Configure -> Network Config-> View Config -> MAC address.

  You will need to refer to the guide for your Access Point in order to enter the WIR as an allowed piece of equipment.

- If you have an encrypted network, check that you have entered the correct key or passphrase into the radio. Remember that text-format keys are case sensitive. If, when attempting to connect to an encryted network, your radio display: 'Wireless error' followed by a 5-digit number, then please ensure that you enter the correct passphrese for the network. If the problem persists, then you may need to consuit your network configuration.

- If your Wireless network name (ESSID) is 'Hidden' (a setting on the wireless access point), then you can either turn on the 'name', or you can manually enter the name into the Internet Radio and media player, Select Configure, Select Network Config, Enter Network Name. Confirm if the Network is encrypted, e.g. requires a WEP or WPA key, then enter the network name.

- If the display shown Wireless Connect Timeout, you can back to 'Configure', select 'Factory Reset' then Internet Radio will be reboot. After reboot select 'Configure', 'Select Network Configure', Select 'Scan for Networks' and then select your Wireless network. (You may need to enter a security key to access the network wireless and make sure WEP key you enter is Default WEP key when set up and configured your wireless network).

**If your radio can connect to the network successfully, but is unable to play particular stations, it may be due to one of the following reasons:**

- The station is not broadcasting at this time of the day (remember it may be located in a different time zone).

- The station has too many people trying to attach to the radio station server and the server capacity is not large enough.

- The station has reached the maximum allowed number of simultaneous listeners.

- The station is not broadcasting anymore.

- The link on the radio is out of date. This is updated automatically every day, so the next time you turn on the link will be recognised.

- The Internet connection between the server (often located in a different country) and you is slow. Some Internet Service Providers may fail to stream in certain geographical areas.

  Try using a PC to play back the stream via the broadcaster's web site. If you can play back the station with a PC, use the form at http://www.HisKids.net/solutions to  notify us so that we can change the station data that is used by the Wireless Internet Radio.

- If you have a laptop, try connecting it if your Internet Radio cannot find the station.

  **When you Scan for PCs none can be found, or the PC you are looking for does not appear in the list:**

- Global File sharing is not enabled on the PC you are looking for (see page 23).

- The PC you are looking for is in another part of the network separated by a router. (This may happen if you have two access points on the same network, and the Media source is on one Access Point and the Internet Radio is on another).

- The PC with the Media content may not have the same workgroup as the server managing the network. The easiest solution is to change the PC workgroup name to the same as that being supported by the server.

- You have not connected to the wireless Access point. On the Internet Radio, select 'Configure', 'Select Network Configure', 'Select Scan for Networks' and then select your Wireless network. (You may need to enter a security key to access the network wirelessly).

- You have not enabled simple file sharing on Windows 2000. In Windows 2000 the simple File sharing can be turned on by going to the Control Panel, selecting Folder options, view Tab. The safest way for users to enable the service is to run the 'Set up a home or small office network' Wizard from Control Panel, Network Connections.

- You have a firewall set on your PC which is stopping you accessing shared files.
  Windows 2K doesn't come with a real firewall so unless you have installed one this should not be a problem.

- You have a third party firewall in your network, which is preventing file sharing.
  If you have a third party firewall (like Norton, or ZoneAlarm) that will have its own control panel and you will need to consult the manual for your firewall.

- If your PC is connected to a managed network, with a server, sometimes the PC being searched for needs to be server Workgroup.
  **You can see the PC you want to play music from, but cannot find any folders on the PC:**

- The folder which has your music in it is not shared. You will need to locate the file you want to share, right click on the folder, and select 'Properties', then tick share this file.

- The folder is not in an accessible place, i.e. it is in My Music, My Documents or on the Desktop. You will need to move the folder to the root directory, see page 21 for instructions on how to do this.

- You have entered the wrong username or password for the PC account you are trying to access. Check and re-enter the user name and password (note the password is case sensitive).

- You have a firewall running which is preventing the Internet Radio from seeing the shared folder.  As a quick check, you can disable firewalls like Norton to see if this overcomes the problem.  If this resolves the issue,  you can either leave the firewall off, or allow file sharing through the firewall.

*Note*
*If your firewall is required to provide security for your system, it should not be left off.*

*Note*
*Although you can share a CD Drive, you cannot stream music directly from the drive.*

**Whenever you enter your Media folder, the Internet Radio re-scans the content of the folder:**

- Although the folder with your music in it is shared, it is also 'write protected' so the Internet Radio cannot save a list of the folder's content back onto the PC, and therefore needs to re-scan each time.

Check the box that allows the folder to be modified across the network (see page 24).

**Although you can see music files in the folder, you cannot play them and the Internet Radio says they are 'Protected':**

- When you copied the music files to the hard drive you had 'Personal Rights Management' turned on. This protects the files from being played by a third-party device like the Internet Radio. You will need to copy the music files again, but with the protection turned off.

- You are trying to play iTunes files which have been purchased from the iTunes online store.  These are protected and can only be played on your PC and iPod.  Locally created or 'ripped' files for iPods can be played as they do not carry the extra layer of Media Protection.

**You can access the PC with media, but when you change the user account, you cannot see the folder, although it is shared when you check the PC:**

- The alternative account on the machine may be private. If the 'Make this account Private' option was selected when the account was created, then the contents of this account cannot be seen over the network.  You will need to move the music to an accessible account.

**You cannot share a folder, as the option is not highlighted:**

- The share folder option will not be available until you have turned simple file sharing on. Run the wizard (see page 23).

**Scan Error:**

- When the Internet Radio is scanning the content of the folders on a PC, it is possible that a scan error may occur if the Windows file sharing application times out. This is most likely to occur if both the PC with the media content and the Internet Radio are connected wirelessly.

  Try reconnecting the PC with the media content into the network with a cable. This will dramatically increase the speed at which the WIR is able to scan the content of the Media PC.

  **Playlists:**

- Some media ripping applications allow 'Playlists' to be created.

  The WIR is able to detect and stream these playlists, but they must be stored in the folder with the rest of the media content and they must have the file extension .m3u.

  Windows Media Player can create suitable playlists. Just select 'create new playlist', drag and drop the tracks you want into the playlists, then use 'Save As' to ensure the file type is .m3u. (Existing playlists can be opened and resaved in this format.)

  When the WIR detects you have playlists, it will enable a new menu option allowing the playlist to be selected and added to the queue.

  If you reconnect to another PC or folder which does not have any playlists in the .m3u format, the playlist option will not be presented in the menu.

**If the WIR keeps rebuffering radio stations:**

- The WIR is streaming data from the radio stations via your broadband connection. If there is a high error rate on your broadband connection or the connection is intermittent, it will cause the WIR to pause until the connection is re-established and it has received enough data to start playing again.

  If your WIR keeps stopping, please check the DSL modem to ensure that the broadband line is not suffering a high error rate or disconnections. If you are experiencing these problems, you will need to contact your broadband supplier.

  **What is Buffering?**

  When playing a stream, the Wireless Internet Radio/Media Player downloads a small amount of the stream before it starts playing. This is used to fill in any gaps in the stream that may occur if the internet or the wireless network is busy.

- The Internet Radio streams music data from the PC while you are listening. If a stream gets blocked or experiences network congestion while transferring, it may stop/interfere with the quality of play. If this happens, check your wireless connection speed – it must be faster than the speed of the streams.

# SOFTWARE LICENCE INFORMATION

This product contains software licensed under version 2 of the GNU Public License and version 2.1 of the GNU Lesser Public License. The source code for this software is available from:

http://www.reciva.com/gpl/

This product includes technology owned by Microsoft Corporation and under a licence from Microsoft Licensing GP. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft Corporation and/or Microsoft Licensing, GP as applicable.

Mac OS is a registered Trademark of Apple Computer, Inc.

Windows 98, Windows NT, Windows 2000, Windows Me and Windows XP are registered Trademarks of Microsoft Corporation.

Wi-Fi®, WPA™ is a trademark or a registered trademark of the Wi-Fi Alliance.

is a trademark or a registered trademark of RealNetworks, Inc."

# NOTES

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____